

## Amendments to the Specification

Please replace the paragraph numbered [0236] beginning at page 66, line 14, with the following rewritten paragraph:

— [0236] The following procedure can be used to compute the worst-case response time of each A-h-k-a process:

i := 0;

failure := false;

while i number-of-A-h-k-a-processes and not (failure) do

begin

if  $a_i$  A-h-k-a

then

begin

$RE_{newi} := c_{ai}$ ;

responsetimefound := false;

while not(responsetimefound) and not(failure) do

begin

$RE_{previousi} := RE_{newi}$ ;

$RE_{newi} := c_{ai} + \text{DelayA}(a_i, RE_{previousi}) + \text{DelayP}((a_i, RE_{previousi})$   
 $+ B(a_i) + GT(a_i, RE_{previousi});$

if  $RE_{previousi} = RE_{newi}$

then

begin

$RE_{ai} := RE_{newi}$

responsetimefound := true;

end

if ( $RE_{newi} > L_{ai}$ )

then failure := true;

end;

end;

OK  
N.E.

*OK*  
i := i + 1;  
end. —

Please replace the paragraph numbered [0372] beginning at page 122, line 14, with the following rewritten paragraph:

— [0374] The following procedure can be used to compute the worst-case response time of each A-s-k process:

i := 0;

*CA*  
failure := false;

while i number-of-A-s-k-processes and not (failure) do

begin

if  $a_i$  A-s-k

then

begin

$RE_{newi} := c_{ai};$

responsetimefound := false;

while not(responsetimefound) and not(failure) do

begin

$RE_{previousi} := RE_{newi};$

$RE_{newi} := \underline{c_{ai}} + DelayA(a_i, RE_{previousi}) + DelayP((a_i, RE_{previousi})$   
 $+ B(a_i);$

if  $RE_{previousi} = RE_{newi}$

then

begin

$RE_{ai} := RE_{newi};$

responsetimefound := true;

end

if ( $RE_{newi} > responsetimelimit$ )

then failure := true;

*W.F.*  
end;

W.B.  
~~CH~~

end;

i:= i + 1;

end. —

